Sperrtopf Antenna X user manual

Thank you for purchasing the MillenAir Sperrtopf X VHF 118-136 MHz airband antenna.

Information
MillenAir has a ready to use antenna coax cable for sale. It is recommended to use this cable. Every Sperrtopf antenna is tested with this cable before delivery. Incorrect assembly of the connectors will reduce the antenna performance. If you do want to make your own cable, here's some information:
The connector used on the antenna is an 'SO239' connector. The opposite part is the 'PL259' connector. This connector is weatherproof. If using third-party connectors make sure you avoid getting moisture inside the connector and coax cable. If possible, use a right-angled screw-on PL259 connector.

The type coax cable that should be used it the standard 50 Ω 'RG-58' coax cable.

The antenna mounting thread is standard M10 metric thread. The depth of the thread is about 60mm. You can either mount it using a bolt, or screw in threaded rod (stud) and fix it with Loctite. Special mounting adapter pieces to fit your antenna mast can be made by MillenAir for you on request. Contact us for pricing and size information.

Every antenna is serial numbered and tested before delivery. These test results are available to you on request.

Maintenance
To assure a longer lifetime of the antenna, make sure the silicon sealing between the plastic centerpart on top and the stainless steel rod and around the connector is kept watertight. Although the antenna will not start to rust, it is important that there is no excess moisture inside the antenna. Regularly check the condition of the silicon sealing and replace it if needed.

Warning
DO NOT OPEN the antenna! The antenna is constructed very precisely and is assembled in a certain sequence. Opening the antenna by unscrewing the lower three bolts will certainly break the connector wire! If you have any trouble with your antenna, please contact us first. Opening of the antenna is at your own risk and will void warranty.

Your Sperrtopf Antenna X has 2 years warranty, starting at the invoice date. Warranty will be void when the antenna is opened. Misuse or damage due to lightning strikes is not covered by warranty. Service of the antenna after misuse is of course available at MillenAir. Contact us for pricing and more information.

Thank you for purchasing the MillenAir Sperrtopf Antenna X. We hope to do business with you again in the near future.

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